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SEQUENCE LISTING

10/018691

  
 <110> Long, David M.  
 Smidansky, Eric D.  
 Strobel, Gary A.

<120> Taxol Production via Generation of Extrachromosomal  
DNAs in the Fungus Pestalotiopsis

<130> 57309-5002-US

<140> US 10/018,691  
 <141> 2001-12-20

<150> US 60/091,667  
 <151> 1998-07-02

<150> PCT/US99/15135  
 <151> 1999-07-02

<160> 12

<170> PatentIn Ver. 2.1

<210> 1  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer

<400> 1

ttacccgcag gacatatcca cg

22

<210> 2  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer

<400> 2

atagctgcgc cgtggtttc ta

22

<210> 3  
 <211> 54  
 <212> DNA  
 <213> Pestalotiopsis microspora

<220>

<221> repeat\_unit  
 <222> (49)..(54)

<223> This unit is present one or more times.

<400> 3

taaaggcagg aagtatgcgc ttagggtag gtttttaggg ttagctttagg gtta

54

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<210> 4  
<211> 41  
<212> DNA  
<213> Pestalotiopsis microspora

<220>  
<221> repeat\_unit  
<222> (36)..(41)  
<223> This unit is present one or more times.

<400> 4  
acccgtatcg tgagcatcct agcttagggt tattagggtt a

41

<210> 5  
<211> 39  
<212> DNA  
<213> Pestalotiopsis microspora

<220>  
<221> repeat\_unit  
<222> (34)..(39)  
<223> This unit is present one or more times.

<400> 5  
tgcatggagc cgggccacct tagggttagc ttagggta

39

<210> 6  
<211> 26  
<212> DNA  
<213> Pestalotiopsis microspora

<220>  
<221> repeat\_unit  
<222> (21)..(26)  
<223> This unit is present one or more times.

<400> 6  
gtgccgggga tcctaggtt gggta

26

<210> 7  
<211> 28  
<212> DNA  
<213> Pestalotiopsis microspora

<220>  
<221> repeat\_unit  
<222> (21)..(28)  
<223> This unit is present one or more times.

<400> 7  
tggagccgggt gagcgtgggt tagggta

28

<210> 8  
<211> 50  
<212> DNA  
<213> Pestalotiopsis microspora

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<220>  
 <221> repeat\_unit  
 <222> (45)..(50)  
 <223> This unit is present one or more times.

<400> 8  
 tcgatgggg agtatgggg ttagcttagg gtttaggttag cttagggtta

50

<210> 9  
 <211> 40  
 <212> DNA  
 <213> Pestalotiopsis microspora

<220>  
 <221> repeat\_unit  
 <222> (35)..(40)  
 <223> This unit is present one or more times.

<400> 9  
 gggaggtatg gggaggtacc ttagggtag cttagggtta

40

<210> 10  
 <211> 31  
 <212> DNA  
 <213> Pestalotiopsis microspora

<220>  
 <221> repeat\_unit  
 <222> (26)..(31)  
 <223> This unit is present one or more times.

<400> 10  
 gcgacggacg cactgacggt taggggggtt a

31

<210> 11  
 <211> 15  
 <212> DNA  
 <213> Pestalotiopsis microspora

<220>  
 <221> repeat\_unit  
 <222> (1)..(6)  
 <223> This unit is present one or more times (sequence  
 is at telomeric repeat junction near 5' end of  
 extrachromosomal DNA).

<400> 11  
 ccctaacc ca cgcta

15

<210> 12  
 <211> 27  
 <212> DNA  
 <213> Pestalotiopsis microspora

<220>  
 <221> repeat\_unit

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&lt;222&gt; (22)..(27)

<223> This unit is present one or more times (sequence  
is at telomeric repeat junction near 3' end of  
extrachromosomal DNA).

&lt;400&gt; 12

ccgggccacc ttagggtag cttaggg

27